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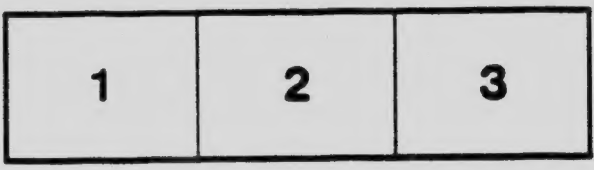

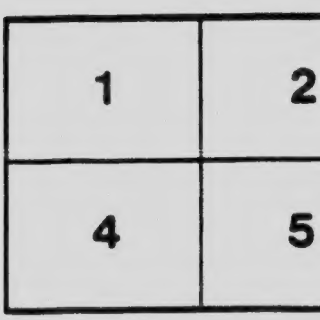

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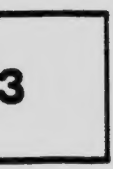

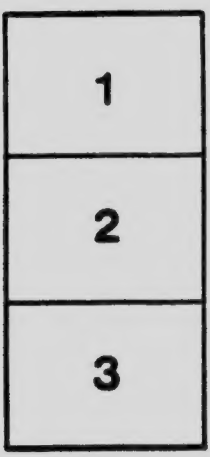

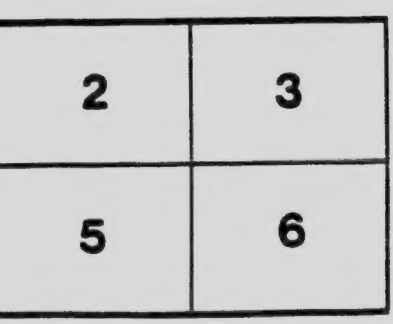

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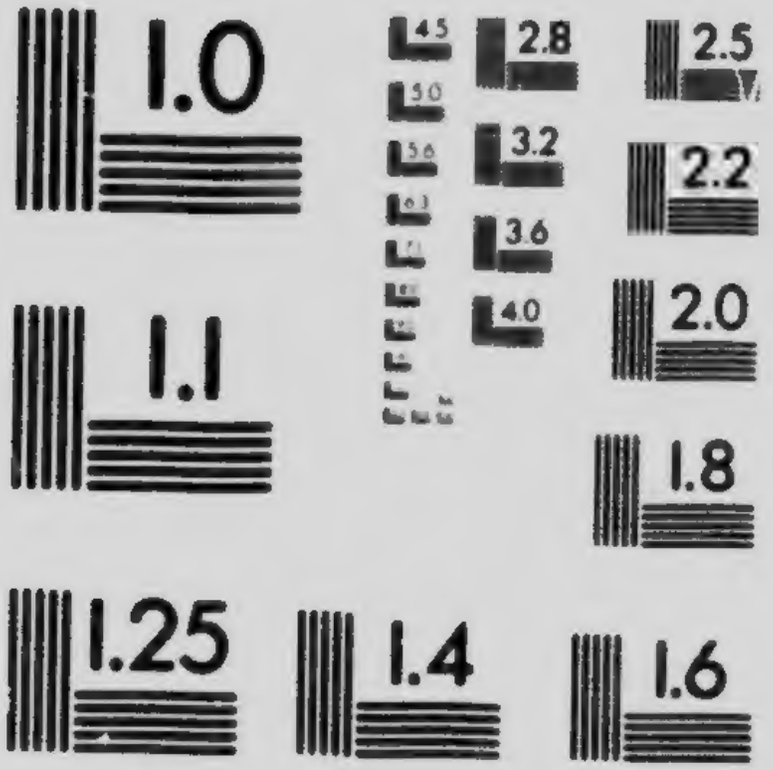

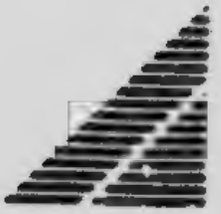

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FROM THE TRANSACTIONS OF THE ROYAL SOCIETY OF CANADA.

THIRD SERIES—1909-1910

VOLUME III

SECTION IV

ROYAL ONTARIO MUSEUM OF ZOOLOGY
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Bibliography of Canadian Zoology for 1908 (exclusive of Entomology).

By

LAWRENCE M. LAMBE, F.G.S.

OTTAWA

PRINTED FOR THE ROYAL SOCIETY OF CANADA

1910

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XI.—*Bibliography of Canadian Zoology for 1908 (exclusive of Entomology).*[1]

By LAWRENCE M. LAMBE, F.G.S.

(Read May 25, 1909.)

INVERTEBRATA

ECHINODERMATA.

CLARK, AUSTIN H.

Descriptions of new species of Crinoids, chiefly from the collections made by the United States Fisheries Steamer "Albatross" at the Hawaiian islands in 1902; with remarks on the classification of the Comatulida

Proceedings [illegible] United States National Museum, vol. xxxiv, No. 1608, May [illegible] 229-239. Includes a new species *Psathyrometra profundorum* [illegible] off Moresby island, Queen Charlotte islands, B.C.

The Nomenclature of the Recent Crinoids.

Idem, vol. xxxiv, No. 1623, August 1908, pp. 535-542.

Certain Canadian Atlantic and Pacific coast forms are included in the list of the crinoids given.

The Genus Ptilocrinus.

The American Naturalist, vol. xlii, August 1908, pp. 541-543.

MOLLUSCA.

PILSBRY, HENRY A.

Notes on Succinea ovalis Say and S. obliqua say.

Proceedings of the Academy of Natural Sciences of Philadelphia, vol. lx, part 1, 1908, pp. 45-51, with text illustrations.

The species *Succinea ovalis*, Say is distributed from Ontario to the mountains of North Carolina and west to Minnesota and Missouri. According to Dr. Pilsbry *S. obliqua*, Say, 1824 is a synonym of *S. ovalis*.

VERMES.

McINTOSH, WILLIAM C.

Notes from the Gatty Marine Laboratory, St. Andrews. 4. On the foregoing Families (Ophiliidæ, Scalibregmidæ and Telethusæ) dredged by Dr. Whiteaves in the Gulf of St. Lawrence, Canada.

Ann. and Mag., Nat. Hist., vol. 1, series 8, No. 5, May 1908, pp. 383-387.

"Of the Ophiliidæ, *Ammotrypane aulogaster*, H. Rathke, is not uncommon and of good size, and *Ammotrypane cylindricaudatus*, Hansen, was also procured. A fine example of *Ophelia radiata*, Delle. Chiaje, was dredged at station 61, viz. north north-east of Shediac island, 4th September, 1873, probably in water not more than 10 or 12 fathoms depth, though this is not stated."

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[1] Communicated by permission of the Director of the Geological Survey, Department of Mines.

Notes from the Gatty Marine Laboratory, St. Andrews.—6. On the foregoing Families (Sphærodoridæ, Chlorhæmidæ, and Chætopteridæ) dredged in the Gulf of St. Lawrence, Canada, by Dr. Whiteaves. Ann. and Mag. Nat. Hist., vol. 2, series 8, No. 12, December 1908, pp. 540-541.

MOORE, J. PERCY.

Some Polychætous Annelids of the Northern Pacific Coast of North America.

Proceedings of the Academy of Natural Sciences of Philadelphia, vol. lx, part II, 1908, pp. 321-364, with text figures.

ARTHROPODA.

CUSHMAN, JOSEPH A.

Fresh-water Crustacea from Labrador and Newfoundland.

Proceedings of the United States National Museum, vol. xxxiii, No. 1590, March 1908, pp. 705-713, plates lvii-lxii.

OBTMANN, ARNOLD E.

Chizopod Crustaceans in the United States National Museum: Schizopods from Alaska.

Proceedings of the United States National Museum, vol. xxxiv, No. 1591, April 1908, pp. 1-10, plate 1.

A new species (*Holmesiella anomala*) is described from specimens obtained near Juneau, and in the Strait of Georgia, off Nanaimo, Vancouver island, B.C.

SHARPE, RICHARD W.

A Further Report on the Ostracoda of the United States National Museum.

Proceedings of the United States National Museum, vol. xxxv, No. 1651, November 1908, pp. 399-430, plates l-lxv.

A Gulf of St. Lawrence species *Philomedes brenda* (Baird), known also from British coasts, from Greenland and from Scandinavian harbours, is here described and figured.

VERTEBRATA

FISHES.

BORDAS, L.

Les Poissons électriques.

Le Naturaliste Canadien, vol. xxxv, No. 10, October 1908, pp. 151-156.

EVERMANN, BARTON W. and GOLDSBOROUGH, EDMUND L.

A Check List of the Freshwater Fishes of Canada.

Proceedings of the Biological Society of Washington, vol. xx, 1908, pp. 89-120.

The authors compute the freshwater fish-fauna of Canada to consist of 145 species representing 25 families and 67 genera. Included is a list of nominal species of freshwater fishes originally described from Canadian waters; of these only 29 are now regarded as valid. A useful bibliography is also given.

GEORGIAN BAY FISHERIES COMMISSION, 1905-1908.

Report and Recommendations (with appendices) of the Dominion Fisheries Commission appointed to enquire into the Fisheries of Georgian bay and adjacent waters, pp. 1-55, 1908.

GILL, THEODORE.

The Miller's-thumb and its Habits.

Smithsonian Miscellaneous Collections, vol. lii. (xv), part 1, 1908, pp. 101-116.

NASH, C. W.

Check List of the Vertebrates of Ontario and Catalogue of Specimens in the Biological Section of the Provincial Museum.

Fishes.

Department of Education, Toronto, 1908, pp. 1-122, with numerous plates and text figures.

A valuable report on the fishes of the Province of Ontario numbering in all 113 species. The excellent illustrations add greatly to the usefulness of the concise descriptions.

ZOOLOGICAL BRANCH, REPORT OF THE, 1907.

The Ottawa Naturalist, vol. xxi, No. 10, January 1908, pp. 198-201.

Included in this report is a list of the fishes observed by Mr Andrew Halkett in lakes in Saskatchewan and Alberta.

REPTILIA.

HALKETT, ANDREW.

Note on a young specimen of the Snapping Turtle (*Chelydra serpentina*).

The Ottawa Naturalist, vol. xxii, No. 7, October 1908, p. 131.

NATURALISTE CANADIEN, LE, (Editorial—L'Abbé V. A. Huard)

Une Couleuvre vivipare.

Vol. xxxv, No. 9, September 1908, pp. 132-133.

RUTHVEN, ALEXANDER G.

Variations and Genetic Relationships of the Garter-snakes.

Smithsonian Institution, United States National Museum, Bulletin 61, vol. 33, 1908, pp. xii + 301, with 82 text figures and one half-tone plate.

A monograph of the garter-snakes of North America.

BIRDS.

BENT, A. C.

Summer Birds of Southwestern Saskatchewan.

The Auk, vol. xxv, new series, No. 1, January 1908, pp. 25-35.

BOUTELLER, JAMES.

List of Birds seen on Sable island, N.S., from March 28th 1906, to January 1st, 1907.

The Ottawa Naturalist, vol. xxi, No. 10, January 1908, pp. 189-191.

Bird Migration, 1907; Observations made on Sable island, Nova Scotia.

Idem, vol. xxii, No. 5, August 1908, pp. 96 and 97.

BROWN, W. J.

Nesting of Cooper's Hawk.

The Ottawa Naturalist, vol. xxii, No. 4, July 1908, p. 88.

Nesting of the Bartramian Sandpiper.

Idem, vol. xxii, No. 8, November 1908, p. 163.

CRIDDLE, NORMAN.

Some Bird Habits.

The Ottawa Naturalist, vol. xxii, No. 8, November 1908, pp. 153-156.

The Economic Value of some Common Birds.

The Nor-west Farmer, December 20, 1908, pp. 1153-1155; a popular article, illustrated.

EDSON, J. M.

Birds of the Bellingham Bay Region.

The Auk, vol. xxv, new series, No. 4, October 1908, pp. 425-439.

This list of over two hundred and twelve species of birds is included in the present bibliography on account of the geographical position of Bellingham bay which is in the same latitude as, and not far distant from, the southern end of Vancouver island.

EIFRIG, G.

A Long-drawn-out Migration: Its Causes and Consequences.

The Auk, vol. xxv, new series, No. 1, January 1908, pp 1-9.

Dates of Departure in the Fall Migration of the more common Birds of Ottawa.

The Ottawa Naturalist, vol. xxi, No. 10, January 1908, pp. 185-187.

Winter Birds of the Cobalt Region.

Idem, vol. xxii, No. 3, June 1908, pp. 65-66.

EIFRIG, G. and KINGSTON, A. G.

Report of the Ornithological branch, 1907-08.

The Ottawa Naturalist, vol. xxii, No. 2, May 1908, pp. 46-47.

FLEMING, JAMES H.

The Destruction of Whistling Swans (*Olor columbianus*) at Niagara Falls.

The Auk, vol xxv, new series, No. 3, July 1908, pp. 306-309.

Ontario Bird Notes.

The Auk, vol. xxv, new series, No. 4, October 1908, pp. 486-487.

Reference is here made to Brünnick's Murre, the Gannet (*Sula bassana*), Grinnell's Water-thrush, the Philadelphia Vireo, and to the migration of Horned Owls.

FLETCHER, JAMES.

New Birds for British Columbia.

The Ottawa Naturalist, vol. xxii, No. [illegible]ly 1908, p. 81.

It is here recorded that Charles de B. [illegible]een of Fairview, B.C. has added three species of birds to the Canadian list: they are the White-throated Swift, the Canyon Wren and the Sage Thrasher, all found breeding near Mr. Green's home.

GIBSON, ARTHUR.

Unusual Nesting Habit of Slate-colored Junco.

The Ottawa Naturalist, vol. xxii, No. 8, November 1908, p. 164.

MCATEE, W. L.

Food habits of the Grosbeaks.

U. S. Department of Agriculture, Bureau of Biological Survey, Bulletin No. 32, 1908, pp. 1-92, with coloured plates and numerous text figures.

MOORE, W. H.

Blue birds of the Maritime Provinces.

The Ottawa Naturalist, vol. xxii, No. 9, December 1908, pp. 174-179.

Remarks are made on a number of species of birds in which blue appears in the plumage.

NATURALISTE CANADIEN, LE, (Editorial).

La Guerre aux Moineaux.

Vol. xxxv, No. 8, August 1908, pp. 115-118.

OTTAWA NATURALIST, THE, (Editorial).

Excursions.

Vol. xxii, No. 5, August 1908, p. 92. Contains some remarks on birds found near Ottawa.

SAUNDERS, W. E.

On making the Acquaintance of Individual Birds.

The Wilson Bulletin, vol. xx, March 1908, pp. 13-17.

Nesting of Henslow Sparrow in Ontario.

The Ottawa Naturalist, vol. xxii, No. 6, September 1908, pp. 115-117.

The Worm-eating Warbler in Ontario.

The Auk, vol. xxv, new series, No. 3, July 1908, p. 319, and The Ottawa Naturalist, vol. xxii, No. 8, November 1908, p. 163.

The Sharp-shinned Hawk in Migration.

The Ontario Natural Science Bulletin, No. 4, 1908, pp. 5-7.

SETON, ERNEST THOMPSON.

Bird Records from Great Slave lake region.

The Auk, vol. xxv, new series, No. 1, January 1908, pp. 68-74.

A list of eighty-eight species of birds observed by Mr. Seton's expedition to the Barren-grounds in 1907.

Recent Bird Records for Manitoba.

The Auk, vol. xxv, new series, No. 4, October 1908, pp. 450-454.

Mr. Seton here presents a list which includes thirty-two species.

TAVERNER, P. A.

Two Ontario Records.

The Auk, vol. xxv, new series, No. 3, July 1908, p. 328.

An announcement is made of the occurrence of the Blue-winged Warbler. (*Helminthophila pinus*) and the Turkey Buzzard (*Cathartes aura*) at Point Pelee, Ontario.

TAVERNER, P. A., and SWALES, B. H.

The Birds of Point Pelee (continued from vol. xix, p. 153).
The Wilson Bulletin, vol. xx, June 1908, pp 79-96.

The Birds of Point Pelee (continued from p. 96).
Idem, vol. xx, September 1908, pp. 107-129.

TUFTS, H. F.

Bird Notes from Southwestern Nova Scotia.
The Ottawa Naturalist, vol. xxi, No. 12, March 1908, pp. 236-239.

MAMMALS.

FLEMING, JAMES H.

The Cotton-tail Rabbit in Ontario.
The Ottawa Naturalist, vol. xxii, No. 8, November 1908, p. 158, with map showing distribution in Ontario.

GANONG, W. F.

Notes on the Natural History and Physiography of New Brunswick. 110—On the Occurrence of the Wolf in New Brunswick.
Bulletin of the Natural History Society of New Brunswick, No. xxvi, vol. vi, part 1, 1908, pp. 30-35.

LETACQ, L'ABBÉ A. L.

Notes Biologiques sur le Vison.
Le Naturaliste Canadien, vol. xxxv, No. 1, January 1908, pp. 12-14.

LYON, MARCUS WARD, Jr.

Remarks on the Horns and on the Systematic Position of the American Antelope.
Proceedings of the United States National Museum, vol. xxxiv, No. 1619, August 1908, pp. 393-402, plates xxxviii and xxxix.

NATURALISTE CANADIEN, LE, (Editorial).

Capture d'un Morse.
Vol. xxxv, No. 4, April 1908, pp. 49-51.
Records the capture of a Walrus, in December 1907, near Petit Mécattina in the northeastern part of the Gulf of St. Lawrence.

Les Morses dans le Golfe Saint-Laurent.
Vol. xxxv, No. 9, Septembre 1908, pp. 140-142.

NELSON, E. W.

Descriptions of two new subspecies of North American Mammals.
Proceedings of the Biological Society of Washington, vol. xx, 1908, pp. 87-88.
A rabbit from Roab's ranch, near Hope, B.C., is recognized and described as the type of a new subspecies under the name *Lepus bairdi cascadensis*, the Cascade Mountain Snowshoe rabbit.

OSGOOD, WILFRED H.

Some unrecognized and misapplied names of American Mammals.
Proceedings of the Biological Society of Washington, vol. xx, 1908, pp. 43-52.
In this paper it is pointed out that the name *Castor canadensis leucondontus*, Gray (Ann. and Mag. Nat. Hist., ser. 4, vol. vi, p.

293, 1869) takes precedence to the one *Castor canadensis pacificus*, Rhoades (Trans. Am. Philos. Soc., n.s., vol. xix, pp. 422-423, pl. xxi, fig. 1 and pl. xxii, fig. 1, 1908—Lake Kichelos, Washington) as applied to the west coast beaver, and that the specimens described by Gray were most probably all from Vancouver island.

SAUNDERS, W. E.

Extension of the Range of *Peromyscus michiganensis*.

The Ottawa Naturalist, vol. xxii, No. 8, November 1908, p. 164.

VIGNEAU, P.

Les Morses dans le Golfe Saint-Laurent.

Le Naturaliste Canadien, vol. xxxv, No. 9, Septembre 1908, pp. 140-142.

MISCELLANEOUS.

DOMINION FISHERIES COMMISSION FOR BRITISH COLUMBIA, 1905-1907.

Report and Recommendations, with Addenda and Appendices, pp. 1-111, 1908.

Contains valuable information regarding the habits of our western fishes. Also in this report will be found a list of the more important species of edible mollusca inhabiting British Columbian waters.

HARDY, MAJOR GENERAL CAMPBELL, R. A.

Reminiscences of a Nova Scotian Naturalist: Andrew Downs.

Proceedings and Transactions of the Nova Scotian Institute of Science, Halifax, N.S., vol. xii, part 1, August 1908, pp. xi-xxx.

MACFARLANE, R.

Notes on Mammals collected and observed in the Northern Mackenzie River District, North-West Territories of Canada, &c., pp. 151-283; and List of Birds and Eggs observed and collected in the North-West Territories of Canada between 1880 and 1894, pp. 285-470, with Appendix and Indices to Mammals and Birds:—Published as part of "Through the Mackenzie Basin," by Charles Mair, Toronto, William Briggs, 1908.

NASH, C. W.

Vertebrates of Ontario.

Department of Education, Toronto, 1908.

This publication of 251 pages, well illustrated, constitutes a Manual of the Vertebrates of Ontario, and consists of the "Fishes of Ontario" with previously issued parts on the "Batrachians and Reptiles," the "Birds" and the "Mammals" of Ontario, to which is added a glossary and index to the whole.

NATURALISTE CANADIEN, LE, (Editorial).

Stations de Biologie Maritime.

Vol. xxxv, No. 6, June 1908, pp. 81-83.

PREBLE, EDWARD A.

North American Fauna, No. 27—A Biological Investigation of the Athabasca-Mackenzie Region.

United States Department of Agriculture, Bureau of Biological Survey, October 1908, pp. 1-574, with map of the region, and numerous plates, illustrations, and maps of faunal areas in the text. This extensive and valuable report, beginning with a description of the physical geography, climatology and life zones of the Athabasca-Mackenzie district, gives an account of previous explorations and collections, and of the routes traversed by Biological Survey parties during 1901, 1903 and 1904. The last three-fourths of the report are devoted to critical notes on the Mammals, Birds, Reptiles, Batrachians, Fishes, Trees and Shrubs known to occur within the area of the region investigated. A bibliography and a full index complete the report.

PRINCE, EDWARD E.

The Biological Investigation of Canadian Waters, with special reference to the Government Biological Stations—Presidential Address, Section iv.

Transactions Royal Society of Canada, vol. 1, 3rd series, 1908, pp. 71-92.

Infant Cannibalism among Animals.

The Ottawa Naturalist, vol. xxii, No. 7, October 1908, pp. 125-129.

RUTHEN, ALEXANDER G.

The Faunal Affinities of the Prairie Region of Central North America

The American Naturalist, vol. xlii, June 1908, pp. 389-393, with map in the text.

TILMANS, HENRY.

Les Bêtes.....Que Passent.

Le Naturaliste Canadien, vol. xxxv, No 6, Juin 1908, pp. 83-93.

WHITEAVES, J. F.

Zoological Notes for 1908.

Mammalia, (1) *Putorius rixosus*, Bangs, (2) *Synaptomys* (*Mictomys*) *wrangeli*, Merriam. Birds. (3) *Ceratorhina monocerata* (Pallas) Cassin.

The Ottawa Naturalist, vol. xxii, No. 9, December 1908, pp. 182-183.

The specimen of the Least Weasel (Bangs's Weasel) mentioned in this paper, was obtained by Mr. Joseph Keele, in January, 1908, at Third lake, Ross river, Yukon, and is now mounted in the museum of the Geological Survey at Ottawa. The second small mammal, which Dr. Whiteaves refers to in his notes as the Alaskan Lemming-mouse, is midway, as regards its dentition, between the field mice and the lemmings. Dr. Whiteaves's remarks have special reference to a specimen lately presented to the Survey by the Reverend J. H. Keen of Metlakatla, B.C.

Under the third heading reference is made to an egg of the Rhinoceros Auklet, from Lucy island, near Metlakatla, B.C., also presented to the Geological Survey by Mr. Keen